(02/06/20)

This maths practice session contains 3 parts:

- Finding a secret trail by adding numbers
- Simplifying fractions
- Converting improper fractions to mixed fractions

There are instructions on how to simplify fractions as well as how to convert improper fractions to mixed number fractions.

You do not have to solve all the tasks, you might only choose a few tasks from each sheet.

Can you find the secret trial?

You start on the tile with the arrow. Find the trail to the bottom right corner. As you go you have to add up all the numbers of the tiles. When the sum is the same as in the finish tile, then you have found the secret trail!
You cannot go diagonally.

1

9	5	3	1
1	2	5	6
4	5	6	7
5	2	1	2
		+	42

2

2	10	6	9
9	1	4	2
10	4	6	1
9	4	7	4
		+	45

4

6	4	6	3
3	10	6	2
5	3	2	8
6	6	6	7
		+	38

3

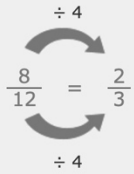
6	6	2	5
9	9	9	4
4	3	9	9
6	7	8	1
		+	54

Simplify the fractions below

Example: Simplify the fraction $\frac{8}{12}$:

The largest number that goes exactly into both 8 and 12 is 4, so *the Greatest Common Factor is 4*.

Divide both top and bottom by 4:



That is as far as we can go. The fraction simplifies to $\frac{2}{3}$

1) $\frac{21}{24} =$

2) $\frac{28}{48} =$

3) $\frac{4}{6} =$

4) $\frac{8}{12} =$

5) $\frac{6}{8} =$

6) $\frac{6}{12} =$

7) $\frac{10}{55} =$

8) $\frac{6}{78} =$

9) $\frac{36}{42} =$

10) $\frac{24}{40} =$

11) $\frac{40}{80} =$

12) $\frac{12}{27} =$

Convert improper fractions to mixed fractions

Example: Convert $\frac{11}{4}$ to a mixed fraction.

Divide:

$11 \div 4 = 2$ with a remainder of 3

Write down the 2 and then write down the remainder (3) above the denominator (4).

Answer:

$2\ \frac{3}{4}$

1) $\frac{57}{13}$ =

2) $\frac{10}{4}$ =

3) $\frac{14}{9}$ =

4) $\frac{38}{10}$ =

5) $\frac{18}{5}$ =

6) $\frac{8}{2}$ =

7) $\frac{48}{12}$ =

8) $\frac{10}{7}$ =

9) $\frac{27}{6}$ =

10) $\frac{12}{3}$ =